ABSTRACT

The present invention discloses power supply cable for providing DC power from a power supply to a microprocessor of a personal computer. The output cable includes a plate-cable includes a first and a second metal plates insulated with an insulation layer between the first and second metal plates. The output cable further includes a plurality of capacitors disposed on the plate cable. Each of the capacitors has a first and second electrical terminals and each of the first and second electrical terminals connected to one of the first and second metal layers provided for storing electrical charges therein for transmitting through the metal layers for supplying power to the microprocessor. In a preferred embodiment, the plurality of capacitors disposed on the first metal plate with the first electrical terminal for each of the capacitors connected to the first metal plate. The plate-cable further includes a plurality of via-connectors penetrating the insulation layer for connecting the second electrical terminal for each of the capacitors to the second metal plate. In another preferred embodiment, the plate-cable further includes multiple insulated plate-segments each of the plate-segment is provided for supplying power of a different voltage to the microprocessor. In another preferred embodiment, the output cable further includes a microprocessor connector socket soldering to an output end the plate-cable.